WHAT IS CLAIMED IS:

- 1 1. An information terminal comprising,
- 2 a virtual machine which executes, on an OS
- 3 (Operating System), an intermediate code program that
- 4 is a program represented by an intermediate code;
- 5 a resource limit value storing means which stores
- 6 a limit value of a computer resource which is usable
- 7 by said virtual machine; and
- 8 a resource managing means in which when a request
- 9 for securing a resource is received from said virtual
- 10 machine, the limit value stored in said resource limit
- 11 value storing means is referred to, and
- if the computer resource that becomes available
- 13 for said virtual machine by securing the computer
- 14 resource in response to the request is lower than said
- 15 limit value, said OS is requested to secure the
- 16 computer resource in response to the request, and
- if the computer resource that becomes available
- 18 for said virtual machine by securing the computer
- 19 resource in response to the request is equal to or
- 20 higher than said limit value, said OS is not requested
- 21 to secure the computer resource in response to the
- 22 request.

- 1 2. An information terminal comprising,
- 2 multiple virtual machines each executing, on an
- 3 OS (Operating System), an intermediate code program
- 4 being a program represented by an intermediate code;
- 5 a resource limit value storing means in which
- 6 continuously selectable counts, each being the maximum
- 7 continuously selectable count with respect to each of
- 8 the multiple virtual machines, are stored so as to be
- 9 respectively associated with said multiple virtual
- 10 machines; and
- 11 a virtual machine switching means which switches
- 12 and executes each of said multiple virtual machines,
- 13 based on said continuously selectable counts that are
- 14 stored in said resource limit value storing means;
- 15 wherein, said virtual machine switching means
- 16 determines at predetermined intervals whether or
- 17. not the virtual machine currently selected is in a
- 18 standby state, and if the currently selected virtual
- 19 machine is in the standby state, selects a virtual
- 20 machine that is different from the currently selected
- 21 virtual machine, instructs said OS to execute the
- 22 selected virtual machine, and also sets a
- 23 continuously selected count of the selected virtual
- 24 machine to one;
- 25 if the currently selected virtual machine is in

- 26 execution, refers to the continuously selectable count
- 27 stored in said resource limit value storing means, and
- 28 if the continuously selected count of the virtual
- 29 machine currently selected is equal to the
- 30 continuously selectable count associated with the
- 31 currently selected virtual machine, selects a virtual
- 32 machine different from the currently selected virtual
- 33 machine, instructs the OS to execute the selected
- 34 virtual machine, and also sets the continuously
- 35 selected count of the selected virtual machine to one;
- 36 and
- if the continuously selected count of the virtual
- 38 machine currently selected is lower than the
- 39 continuously selectable count associated with the
- 40 currently selected virtual machine, selects again the
- 41 currently selected virtual machine, instructs said OS
- 42 to execute the reselected virtual machine, and
- 43 increments the continuously selected count of the
- 44 reselected virtual machine by one.
 - 1 3. A computer resource managing method for an
 - 2 information terminal, wherein said information
 - 3 terminal
 - 4 refers to a resource limit value storing means
 - 5 which stores a limit value of a computer resource

- 6 usable by a virtual machine, when a request for
- 7 securing the resource is received from the virtual
- 8 machine that executes, on an OS (Operating System),
- 9 an intermediate code program being a program
- 10 represented by an intermediate code;
- if a computer resource that becomes available for
- 12 said virtual machine by securing the computer resource
- 13 in response to the request is lower than said limit
- 14 value, requests said OS to secure the computer resource
- 15 in response to the request; and
- if the computer resource that becomes available
- 17 for said virtual machine by securing the computer
- 18 resource in response to the request is equal to or
- 19 higher than said limit value, does not request said
- 20 OS to secure the computer resource in response to the
- 21 request.
- 1 4. A virtual machine execution switching method for
- 2 an information terminal, wherein said information
- 3 terminal
- 4 determines at predetermined intervals whether or
- 5 not a virtual machine currently selected is in a
- 6 standby state, among multiple virtual machines each
- 7 executing, on an OS (Operating System), an
- 8 intermediate code program, being a program represented

- 9 by an intermediate code;
- 10 if the currently selected virtual machine is in
- 11 standby state, selects a virtual machine which is
- 12 different from the currently selected virtual machine,
- 13 instructs said OS to execute the selected virtual
- 14 machine, and also sets the continuously selected
- 15 count of the selected virtual machine to one;
- if the currently selected virtual machine is in
- 17 execution, refers to the continuously selectable count
- 18 stored in said resource limit value storing means;
- if the continuously selected count of the virtual
- 20 machine currently selected is equal to the
- 21 continuously selectable count associated with the
- 22 currently selected virtual machine, selects a virtual
- 23 machine different from the currently selected virtual
- 24 machine, instructs the OS to execute the selected
- 25 virtual machine, and also sets the continuously
- 26 selected count of the selected virtual machine to one;
- 27 and
- if the continuously selected count of the virtual
- 29 machine currently selected is lower than the
- 30 continuously selectable count associated with the
- 31 currently selected virtual machine, selects again the
- 32 currently selected virtual machine, and increments the
- 33 continuously selected count of the reselected virtual
- 34 machine by one.